

# INTERNATIONAL SEARCH REPORT

IB2004/052578

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L21/265 H01L29/10 H01L21/336

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 642 122 B1 (YU BIN) 4 November 2003 (2003-11-04) abstract	1,3-5,10
A	US 6 432 802 B1 (NODA TAIJI ET AL) 13 August 2002 (2002-08-13) cited in the application figure 1c	1,6-10
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

18 March 2005

Date of mailing of the international search report

31/03/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WANG H C-H ET AL: "Antimony assisted arsenic S/D extension (A3 SDE) engineering for sub-0.1/<math>\mu\text{m}</math> nMOSFETs : a novel approach to steep and retrograde indium pocket profiles"</p> <p>INTERNATIONAL ELECTRON DEVICES MEETING 2001. IEDM. TECHNICAL DIGEST. WASHINGTON, DC, DEC. 2 - 5, 2001, NEW YORK, NY : IEEE, US, 2 December 2001 (2001-12-02), pages 341-344, XP010575076</p> <p>ISBN: 0-7803-7050-3</p> <p>the whole document</p> <p>-----</p>	1,6,10

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6642122	B1	04-11-2003	NONE		
US 6432802	B1	13-08-2002	JP	3574613 B2	06-10-2004
			JP	2001156293 A	08-06-2001